

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : CANON INC

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(54) DEVELOPING POWDER

(57)Abstract:

PURPOSE: To obtain developing powder which is suited for a low speed copying system and can be fixed at low pressure by adding two kinds of polyethylene having specific melt viscosity.

CONSTITUTION: Developing powder which contains PE of 10W95 centipoises melt viscosities at 140° C, and PE of 100W1,000 centipoises. The constituting ratios of two kinds of said PE are about 1/9W9/1, more preferably 2/8W8/2. It is necessary that both these PE are contained at about ≥30wt% basing on the total weight of the binder material in the toner. Further, the density of said PE is preferably ≥0.93, more preferably ≥0.95. The binder materials that can be added to this developing powder are styrene, homopolymer of its substituent, styrenic copolymer, PVC, PE, phenolic resins, etc. It is possible to use additives such as coloring agents, electric charger controlling agents, fixing aids, caking preventing agents and the like.

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